

RAJ010722817
 FACULTY OF COMPUTER APPLICATION Education
 BCA Semester - 4 APRIL 2025 (Regular) APRIL - 2025
 CS-24 OPERATING SYSTEMS CONCEPTS WITH UNIX/LINUX
 Faculty Code : 003
 Subject Code : 33810CAP-MA-04-10001
 [Total Marks : 80]

Time (Hours)

- Q.1 (A) 1) _____ is an Example of embedded operating system. 2) Full form of PCB. 3) _____ 3
- Q.1 (B) PCB stands for? 2
- Q.1 (C) Explain any one OS type based on features point of view. 5
- Q.2 (A) Explain round Robin with example. OR 3
- Q.2 (B) 1) ECB stands for? 2) Turn around time = _____ 3) Pages are loaded _____ 2
- Q.2 (C) only on demand not in advance called? _____ 5
- Q.3 (A) Explain functions of O.S. 2
- Q.3 (B) Explain process state diagram. 5
- Q.3 (C) 1) Unused spaces in memory are called _____ 2) _____ is a symbol 3
- Q.4 (A) to remove file permission. 3) Which command is used to change the permission of file? 2
- Q.4 (B) What is memory fragmentation? 5
- Q.4 (C) Explain Unix architecture. OR 2
- Q.5 (A) 1) MMU stands for? 2) A text file contains only _____ characters. 3) WC stands for? 3
- Q.5 (B) What is memory Compaction? 2
- Q.5 (C) Explain types of files in Unix. 5
- Q.6 (A) 1) Which command is used to join other file system with Unix? 2) BASH stands for? 3
- Q.6 (B) 3) _____ is a command interpreter. 2
- Q.6 (C) What is kernel? 5
- Q.7 (A) What is shell? Explain types of shell. OR 2
- Q.7 (B) 1) The base register is now called a _____. 2) VI stands for? 3) By default vi editor starts with? 3
- Q.7 (C) Explain rmdir & mkdir with example. 2
- Q.8 (A) Explain following commands. 1) WC 2) PS 3) BC 4) Chmod 5) NEWS 6) Who. 5

- Q.4 (A) 1) Extension for shell – script file is _____. 2) GPL stands for? 3) LILO stands for? 3
- Q.4 (B) Explain screen movement commands with VI editor. 2
- Q.4 (C) Explain looping statement in unix shell. OR 5
- Q.4 (A) 1) _____ Command used to get value from users in shell script. 2) Linux is introduced by? 3) GNU stands for? 3
- Q.4 (B) Explain components of Linux architecture. 2
- Q.4 (C) Difference between freeware V/S Open Source. 5
- Q.5 (A) 1) MBR stands for? 2) XDM stands for? 3) _____ is Ubuntu's own default desktop 3
- Q.5 (B) Difference between LILO vs GRUB. 2
- Q.5 (C) What is X-windows? Explain KDE OR 5
- Q.5 (A) 1) FTP stands for? 2) WINE stands for? 3) LDAP stands for? 3
- Q.5 (B) What is WINE? 2
- Q.5 (C) Write down short note. (1) Firewall (2) FTP. 5

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